

ABSTRACT OF THE DISCLOSURE

The present invention provides a method of preparing a nucleic acid sample comprising template nucleic acid and synthetic nucleic acid for analysis wherein prior to analysis the nucleic acid sample is treated with a substance which selectively cleaves the template nucleic acid without substantially cleaving the synthetic nucleic acid. The invention further provides a method for improving the analysis of capillary-based DNA sequencing reactions, amplification reactions, and/or transcription reactions, wherein after the reaction, the nucleic acid sample comprising template nucleic acid and synthetic nucleic acid is treated with a substance which selectively cleaves the template without substantially cleaving the synthetic nucleic acid.